

IN THE SPECIFICATION

Please amend the Title on page 1 as follows:

METHODS FOR NUCLEIC ACID MANIPULATION FOR CREATING DNA
LIBRARIES USING HOLLIDAY JUNCTIONS

At page 22, please cancel the previous Abstract and replace it with the following:

A method for creating DNA libraries from DNAs
having different sequences is described that comprises
treatment of a first DNA with an exonuclease and a
recombination factor to form single stranded regions
having random sizes. The single stranded regions are
incubated with a second double stranded DNA to form three
stranded crossover junctions. Three stranded junctions
are treated with a helicase to form Holliday junctions
that are resolved by an endonuclease to form a library.
~~A method for replicating and amplifying a target nucleic
acid sequence is described. A method of the invention
involves the formation of a recombination intermediate
without the prior denaturing of a nucleic acid duplex
through the use of a recombination factor. The
recombination intermediate is treated with a high-
fidelity polymerase to permit the replication and
amplification of the target nucleic acid sequence. In
preferred embodiments, the polymerase comprises a
polymerase holoenzyme. In further preferred embodiments,
the recombination factor is bacteriophage T4 UvsX protein~~

~~or homologs from other species, and the polymerase
holoenzyme comprises a polymerase enzyme, a clamp protein
and a clamp loader protein, derived from viral,
bacteriophage, prokaryotic, archaeobacterial, or
eukaryotic systems.—~~